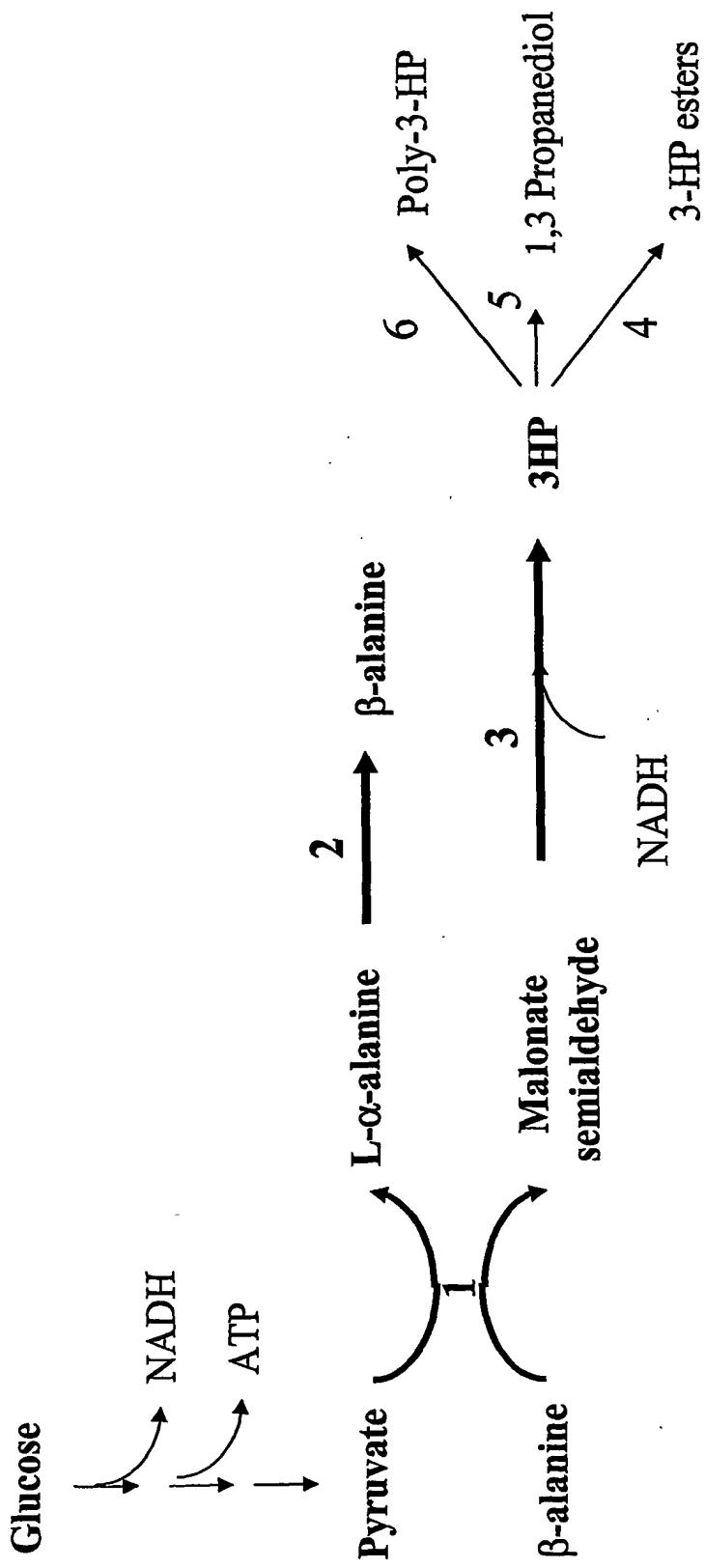


FIG. 1



1 – β -alanine/pyruvate aminotransferase (BAPAT) (EC 2.6.1.18)

2 – Alanine 2,3-aminomutase

3 – 3-HP dehydrogenase

4 – Lipase or esterase (EC 3.1.1.-)

5 – Aldehyde dehydrogenase (EC 1.2.1.-) and alcohol dehydrogenase (EC 1.1.1.1) activities

6 – Esterase